

0CV10-M51900EN

P R E F A C E

1. This Parts Catalog carries all parts incorporated in YANMAR Model 2TNE68 - DB engine manufactured since June, 1997.
2. Each illustration corresponds to the parts list on the following page.
3. When ordering parts, clearly write down the engine model and serial number, as well as the name and number of each part in your order sheet. This will help insure reliable delivery of the parts you have ordered.

How to read this Parts Catalog.

1. Parts mentioned in Parts Catalog may not necessarily be standard equipping parts
2. Parts change may be made without prior notice.
3. Form of this Parts Catalog.

Y00F2161 29. FUEL INJECTION PUMP (W/BOOST)

①

↓

REF.

②

↘

LEV.

PARTS No.

DESCRIPTION

QTY

I R

			(A)	(B)	(C)	(D)	(E)	(F)	
1	729595-51390	FUEL INJECTION PUMP	1	1	1	1	1		
1-1	729595-51391	FUEL INJECTION PUMP	1	1	1	1	1		
	(A=E00185) (B=E00200)								
3	2	26022-060162	9	9	9	9	9		
3-1	2	26022-060162	4	4	4	4	4		K
	(A=E00156) (B=E00156)	((C=E00156) (D=E00156)	(E=E00156)						
4	2	129470-51040	9	9	9	9	9		
5	2	122710-51050	9	9	9	9	9		
6	2	129470-51060	9	9	9	9	9		

Remarks

(1) BOOST COMPENSATOR TYPE
OPTIONAL PART TO E#00155
(4JH-DT, 4JH-DTZ)

①Ref. No.

The Ref. No. in the list may not be in accordance with the Ref. No. on illustration.

(Ex.) illustration No. List head No.
1 1 (Before change) → 1-1 (After change)

When interchangeable symbol N, and K, illustrations for the new parts are sometimes omitted.

②Lev. (Level)

Indication and Meaning of Level

Level Hereunder is given the relation among the number of number (1,2,3) the level and the nominal parent-child relationship.

1 ---- Parent parts (Assembly parts)

2 ---- Child parts included in " 1 " (Semi-Assembly parts, component parts of Assembly parts.)

3 ---- Child parts included in " 2 ", Grand-child parts in terms of " 1 ",
(Component parts of Semi-Assembly parts.)

Note) A parts of non-sale parts are illustrated but not listed.

③Change Mark

Change Mark " I " is given to the part for which a design change was made at this time.

The design change was not shown in the last published Parts Catalog.

④Interchangeability Mark

In the case where a part change took place, one of the following interchangeability marks is indicated for that part

Symbol	Interchangeability	Contents note
N	Old ↔ New	New Part is interchangeable for Old Part but not interchangeable conversely.
Q	Old ↔ New	New Part is not interchangeable for Old Part but interchangeable conversely.
R	Old ↔ New	New Part is interchangeable for Old Part and vice versa.
S	Old ↔ New	New Part is not interchangeable for Old Part and vice versa.
W		Part newly added.
Z		Part discontinued.
F		Not interchangeable single part but interchangeable by set of the related parts.
K		Changed only in quantity used.

⑤Effective Machine No.

When a part is changed, Effective Machine No. of a Model for which the part is applicable is indication

In each column of (A)-(F).

Product Symbol	Product No.	Product Symbol	Product No.
C	Clutch No., Compressor No.	M	Machine No.
D	Drive No.	T	Tractor No.
E	Engine No.	Note 1)※	Date

Note 1) Date may follow the symbol in some cases. (Ex.) ※1996.01

Note 2) As far as engine models shown by " XXX " are concerned, the modification of the parts could not be Predicted or the engine models themselves could not be identified.

Note 3) (A=E#00185) means that the design change on the part has been effective for the model at the, column (A) (in the case, for 4JH-DT) on and from E#(Engine Serial Number) 00185

⑥Remarks Mark

Figures or alphabets (Symbols) are entered in the remark column.

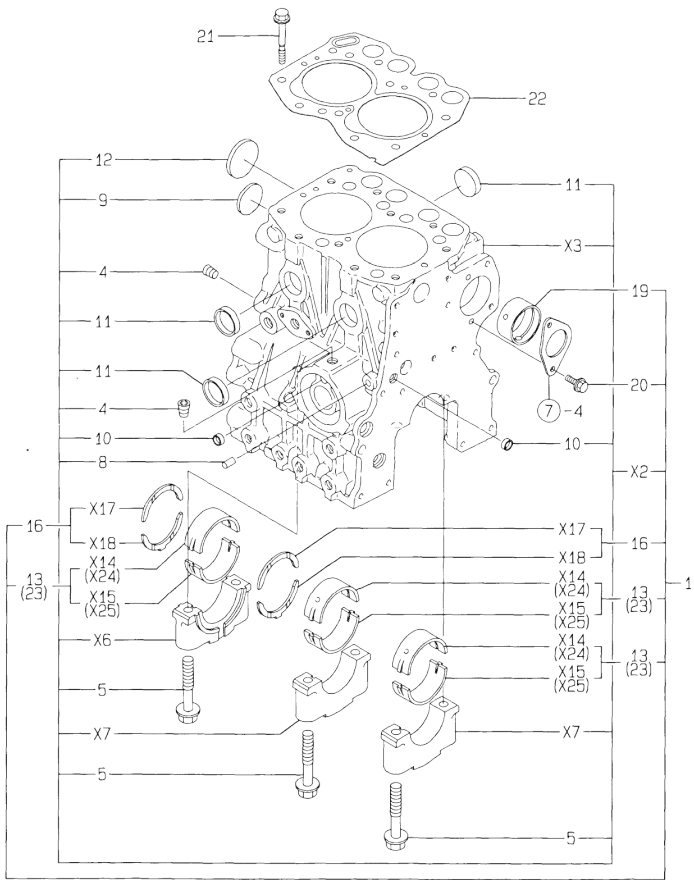
The comments (remarks) on the pertinent parts are indicated in the lower part of the list by the same symbols as those stated above.

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4.	CYLINDER HEAD & BONNET		
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6.	EXHAUST MANIFOLD & SILENCER		
7.	CAMSHAFT & DRIVING GEAR		
8.	CRANKSHAFT & PISTON		
9.	LUB.OIL SYSTEM		
10.	COOLING WATER SYSTEM		
11.	FUEL INJECTION PUMP		
12.	GOVERNOR		
13.	FUEL INJECTION VALVE		
14.	STARTING MOTOR		
15.	GENERATOR		
16.	GASKET SET		

Fig.1. CYLINDER BLOCK

1. CYLINDER BLOCK



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719325-01560	BLOCK ASSY, CYLINDER	1							
4	3	124060-01050	PLUG, PT1/8	2							
5	3	119260-02020	BOLT, METAL CAP	6							
8	3	27221-060100	PLUG, 6X10	1							
9	3	27231-400000	PLUG 40	1							
10	3	27241-100000	PLUG, 10	2							
11	3	27241-250000	PLUG, 25	3							
12	3	27241-300000	PLUG 30	1							
13	2	119260-02800	BEARING, MAIN	3							
16	2	119260-02930	BEARING, THRUST	2							
19	2	119266-02410	BUSH	1							
20	2	26106-060122	BOLT, M6X 12 PLATED	2							
21	1	119260-01200	BOLT, HEAD	10							
22	1	119309-01330	GASKET, CYL. HEAD	1							
23	1	719260-02870	BEARING, 0.25 US	3							1

Remarks

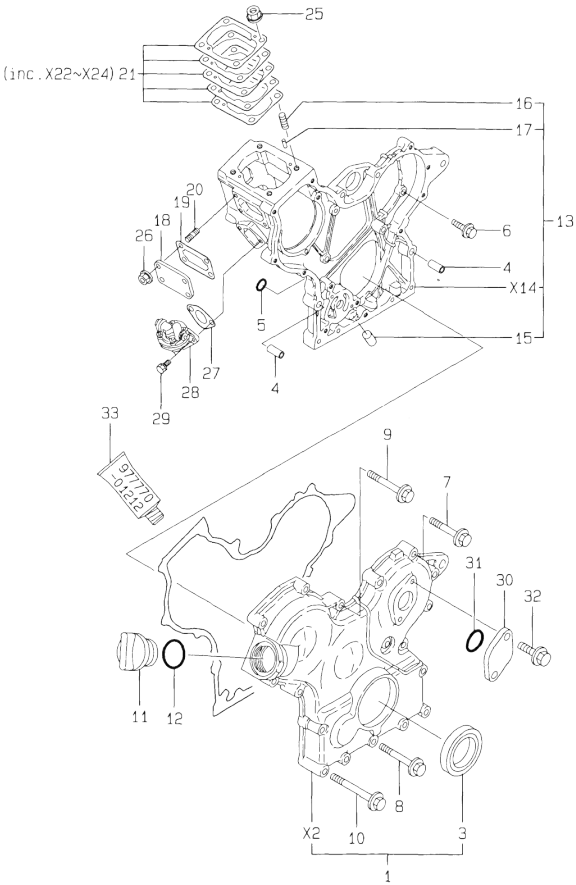
(1) UNDER-SIZE(U.S=0.25)PART.

N:Old $\frac{YHS}{100}$ New, Q:Old $\frac{H10}{100}$ New, R:Old $\frac{YHS}{100}$ New, S:Old $\frac{H10}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.2. GEAR HOUSING

2.GEAR HOUSING



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119260-01590	COVER ASSY,GEAR CASE	1							
3	2	119620-01800	SEAL, OIL	1							
4	1	119660-01911	PIPE, KNOCK	4							
5	1	24311-000120	O-RING, 1AP12.0	2							
6	1	26106-060162	BOLT, M6X 16 PLATED	5							
7	1	26106-060302	BOLT, M6X 30 PLATED	5							
8	1	26106-060402	BOLT, M6X 40 PLATED	3							
9	1	26106-060502	BOLT, M6X 50 PLATED	4							
10	1	26106-060652	BOLT, M6X 65 PLATED	6							
11	1	124160-01751	COVER, FILLER	1							
12	1	24311-000320	O-RING, 1AP32.0	1							
13	1	119305-01490	CASE ASSY, GEAR	1							
15	2	119260-01510	PLUG	1							
16	2	121450-01560	STUD, M8X22	4							
17	2	22351-040010	PIN, SPRING 4.0X10	2							
18	1	119660-01551	COVER	1							
19	1	119660-01562	GASKET	1							
20	1	119660-01570	STUD, M6X12	4							
21	1	119305-01950	SHIM SET, ADJUSTING	1							
25	1	194990-22050	NUT, M8	4							
26	1	26366-060002	NUT, M6	4							
27	1	121520-01851	GASKET	1							
28	1	119600-52021	PUMP ASSY, FUEL FEED	1							
29	1	26014-060202	BOLT, M6X 20	2							
30	1	121023-01550	COVER	1							
31	1	24341-000240	O-RING, 1AS24.0	1							
32	1	26106-060182	BOLT, M6X 18 PLATED	2							
33	1	977770-01212	GASKET, LIQUID	1							1

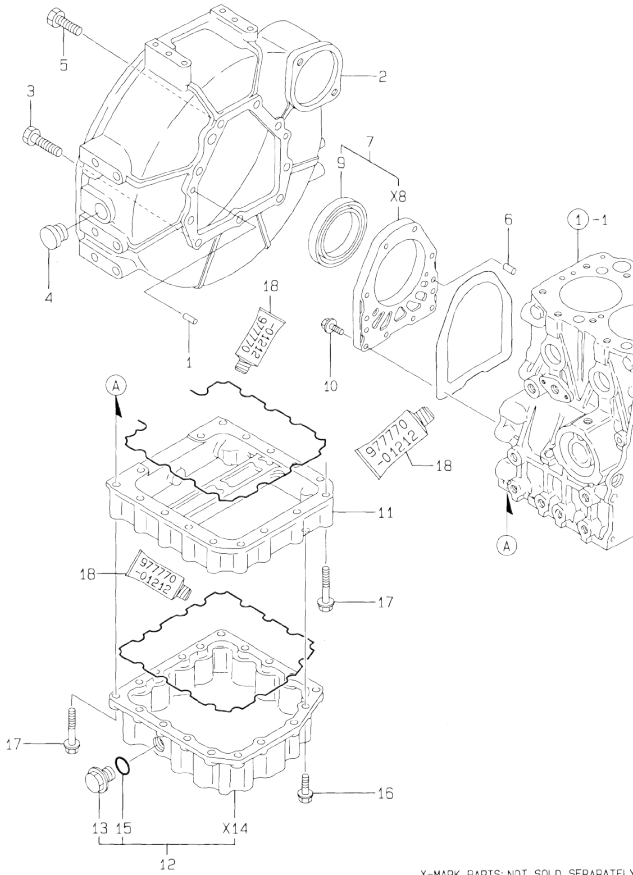
Remarks

(1) OPTIONAL PART.

N:Old $\frac{N_{Old}}{N_{New}}$ New, Q:Old $\frac{Q_{Old}}{Q_{New}}$ New, R:Old $\frac{R_{Old}}{R_{New}}$ New, S:Old $\frac{S_{Old}}{S_{New}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.3. FLYWHEEL HOUSING & OIL SUMP

3.FLYWHEEL HOUSING & OIL SUMP



X-MARK PARTS: NOT SOLD SEPARATELY.

Remarks
(1) OPTIONAL PART.

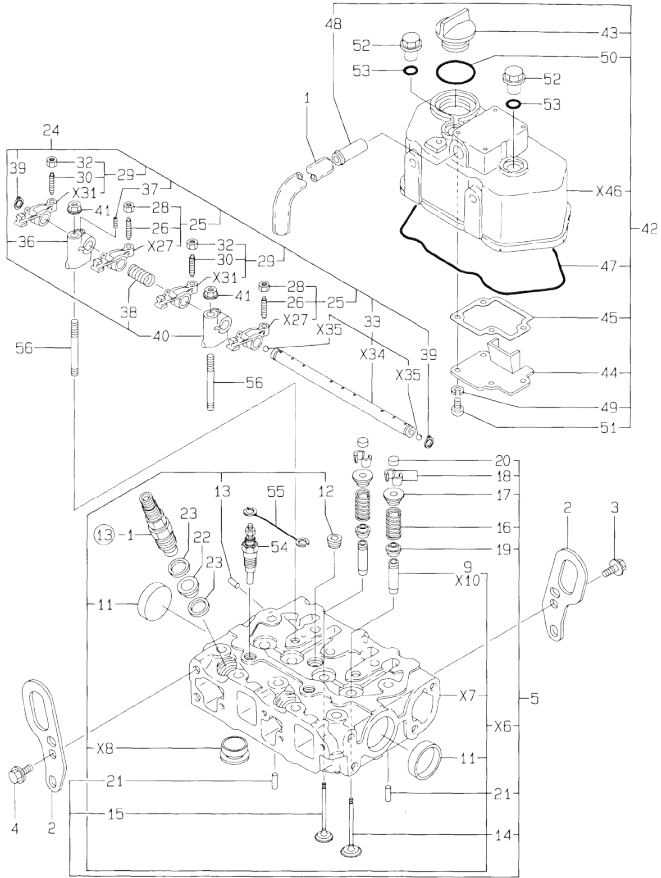
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, M8X16	2							
2	1	119260-01600	HOUSING, FLYWHEEL	1							
3	1	121120-01620	BOLT, M10X28	3							
4	1	119620-01750	CAP	1							
5	1	26206-100252	BOLT, M10X 25 PLATED	6							
6	1	119620-01620	PIN, M6X10	2							
7	1	119660-01640	CASE ASSY, OIL SEAL	1							
9	2	124085-02220	SEAL, OIL	1							
10	1	26106-060222	BOLT, M6X 22 PLATED	10							
11	1	119305-01760	SPACER, OIL SUMP	1							
12	1	119332-01771	SUMP ASSY, OIL	1							
13	2	121400-01640	PLUG, 16	1							
15	2	24311-000180	O-RING, 1AP18.0	1							
16	1	26106-060102	BOLT, M6X 10 PLATED	3							
17	1	26106-060452	BOLT, M6X 45 PLATED	16							
18	1	977770-01212	GASKET, LIQUID	1							1

N:Old $\frac{YES}{NO}$ New, Q:Old $\frac{YES}{NO}$ New, R:Old $\frac{YES}{NO}$ New, S:Old $\frac{YES}{NO}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.4. CYLINDER HEAD & BONNET

4.CYLINDER HEAD & BONNET



Remarks
(1) REPAIR PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	23065-120500	PIPE, 12X 500	1							
2	1	119260-07900	LIFTER	2							
3	1	26106-080142	BOLT, M8X 14 PLATED	1							
4	1	26106-080142	BOLT, M8X 14 PLATED	2							
5	1	719325-11700	HEAD ASSY, CYLINDER	1							1
9	3	119260-11800	GUIDE, VALVE	4							
11	3	27241-350000	PLUG, 35	2							
12	3	23871-020000	PLUG, R02	1							
13	3	27221-050080	PLUG, 5X 8	1							
14	2	119260-11100	VALVE, INTAKE	2							
15	2	119260-11110	VALVE, EXHAUST	2							
16	2	114250-11120	SPRING, VALVE	4							
17	2	114250-11180	RETAINER, SPRING	4							
18	2	27310-055000	COTTER	8							
19	2	119260-11340	SEAL, VALVE STEM	4							
20	2	119260-11370	CAP, VALVE	4							
21	2	22351-060012	PIN, SPRING 6.0X12	2							
22	1	119600-11450	PROTECTOR, NOZZLE	2							
23	1	119600-11460	GASKET, NOZZLE	4							
24	1	119305-11200	SUPPORT ASSY, ARM	1							
25	2	719260-11650	ARM ASSY, ROCKER	2							
26	3	105010-11230	SCREW, VALVE ADJUST	2							
28	3	26756-060002	NUT, LOCK M6	2							
29	2	719260-11660	ARM ASSY, ROCKER	2							
30	3	105010-11230	SCREW, VALVE ADJUST	2							
32	3	26756-060002	NUT, LOCK M6	2							
33	2	119305-11240	SHAFT ASSY, ROCKER	1							
36	2	119260-11260	SUPPORT, ROCKER ARM	1							
37	2	119260-11270	SCREW	1							
38	2	119260-11280	SPRING	1							
39	2	22242-000100	RING, 10	2							
40	3	119265-11260	SUPPORT, ROCKER ARM	1							
41	1	26366-080002	NUT, M8	2							
42	1	119305-11350	BONNET ASSY, HEAD	1							
43	2	124160-01751	COVER, FILLER	1							
44	2	119305-03020	PLATE, SHELTER	1							
45	2	119305-03031	GASKET	1							
47	2	119305-11310	GASKET, BONNET	1							
48	2	119620-11390	JOINT	1							
49	2	22217-050000	WASHER, SPRING 5	4							
50	2	24311-000320	O-RING, 1AP32.0	1							
51	2	26557-050102	SCREW, M5X10	4							
52	1	124160-11360	KNOB	2							
53	1	24311-000120	O-RING, 1AP12.0	2							
54	1	129155-77801	PLUG, GLOW	2							
55	1	119305-77820	CONNECTOR, GLOW PLUG	1							
56	1	119620-11350	STUD	2							

N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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This exploded view diagram illustrates the assembly of a mechanical component, likely a pump or valve. The components are numbered as follows:

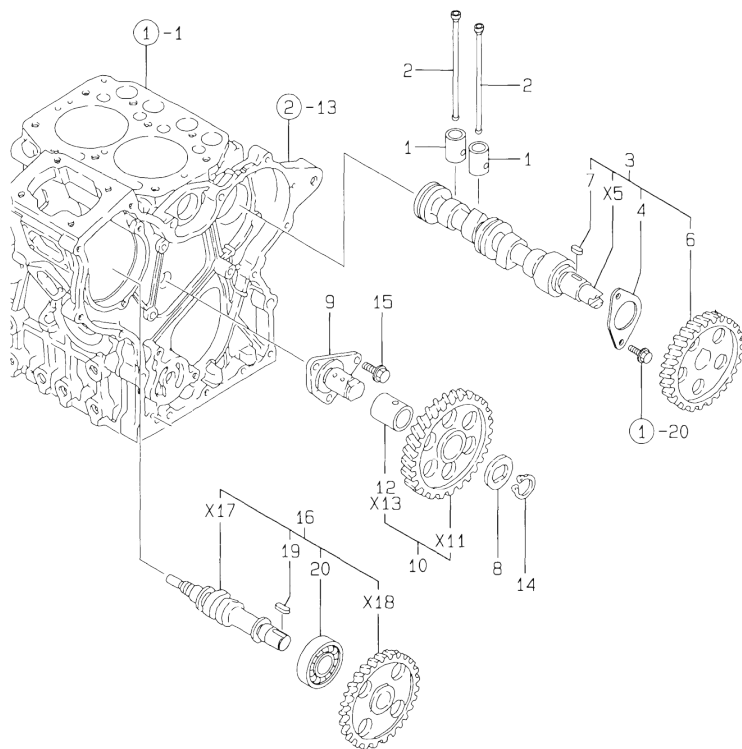
- 1:** A bracket or housing component with two mounting holes.
- 2:** A rectangular gasket or seal plate.
- 3:** A small screw or bolt used to secure the bracket.
- 4:** A small screw or bolt used to secure the bracket.
- 4-5:** A complex, multi-ported casting or manifold.
- 5:** A long, cylindrical shaft or tube.
- 6:** A cap or end plate for the shaft.
- 7:** A cylindrical component, possibly a motor or actuator, with a mounting bracket.
- 8:** A flange or coupling component.
- 9:** A smaller cylindrical component, possibly a seal or bush.
- 10:** A screw or bolt used to secure the flange.
- 11:** A small washer or spacer.

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This diagram shows an exploded view of a mechanical assembly. The components are labeled with numbers 1 through 7. At the bottom is a large, complex cast metal base (1) with multiple mounting points. Above it are two gaskets (2) and a bracket (3) that fits into the base. A long, cylindrical shaft (4) passes through the bracket and the base. A nut (5) is shown on the right side of the shaft. A pin (6) is shown at the end of the shaft. A long, thin metal bar (7) is shown at the top, with a bracket (8) attached to its end. The diagram illustrates the assembly sequence and the relative positions of the parts.

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7. CAMSHAFT & DRIVING GEAR



Remarks
(1) REPAIR PART.

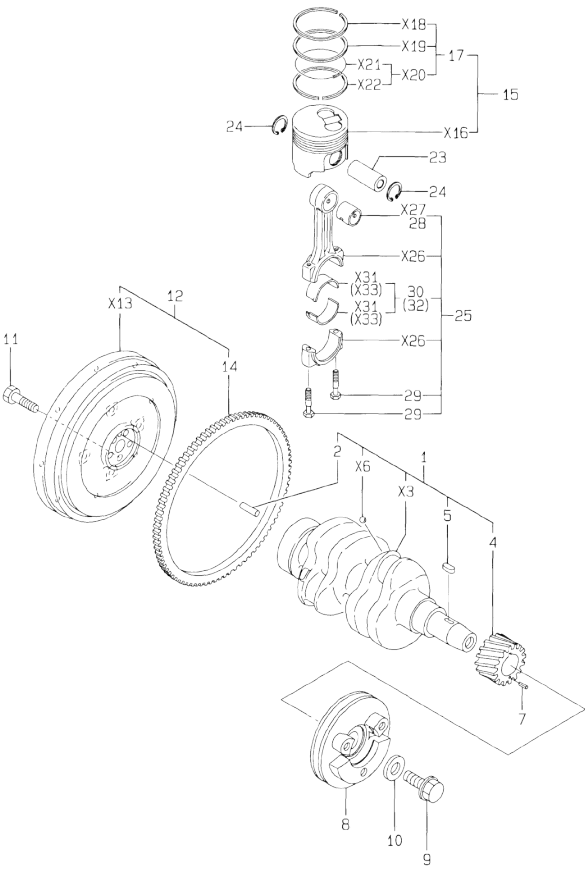
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119260-14200	TAPPET	4							
2	1	119260-14400	ROD, PUSH	4							
3	1	119305-14580	CAMSHAFT ASSY	1							
4	2	119620-02450	BEARING, THRUST	1							
6	2	119260-14100	GEAR, CAMSHAFT	1							
7	2	22512-040120	KEY, 4X 12	1							
8	1	119660-25022	RETAINER	1							
9	1	119660-25052	SHAFT, IDLE	1							
10	1	119260-25100	GEAR ASSY, IDLE	1							
12	2	119620-25912	BUSH	1							1
14	1	22242-000200	RING, 20	1							
15	1	26106-060122	BOLT, M6X 12 PLATED	3							
16	1	119305-14200	CAM ASSY	1							
19	2	22512-040120	KEY, 4X 12	1							
20	2	24102-063034	BEARING, BALL 6303U	1							

N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New. Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New. R:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New. S:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

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Fig.8. CRANKSHAFT & PISTON

8. CRANKSHAFT & PISTON



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119309-21700	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
4	2	119260-21200	GEAR, CRANKSHAFT	1							
5	2	22512-040120	KEY, 4X 12	1							
7	1	22351-030010	PIN, SPRING 3.0X10	1							
8	1	119325-21670	V-PULLEY	1							
9	1	119621-21680	BOLT, FLANGE 12X1.25	1							
10	1	119620-21941	WASHER	1							
11	1	121111-21501	BOLT, FLYWHEEL	5							
12	1	119325-21560	FLYWHEEL ASSY	1							
14	2	124950-21600	GEAR, RING	1							
15	1	119265-22601	PISTON ASSY	2							
17	2	119265-22500	RING SET, PISTON	2							
23	1	119265-22300	PIN, PISTON	2							
24	1	22252-000200	RING, 20	4							
25	1	119265-23100	ROD ASSY, CONNECTING	2							
28	2	119260-23910	BEARING, PISTON PIN	2							1
29	2	119265-23200	BOLT, CONNECTING ROD	4							
30	2	719260-23600	BEARING, CRANK PIN	2							
32	1	719260-23610	BEARING ASSY, 0.25	2							2

Remarks

- (1) REPAIR PART.
(2) UNDER-SIZE(U.S=0.25)PART.

N:Old $\frac{YBS}{100}$ New, Q:Old $\frac{R10}{100}$ New, R:Old $\frac{YBS}{100}$ New, S:Old $\frac{R10}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.9. LUB.OIL SYSTEM

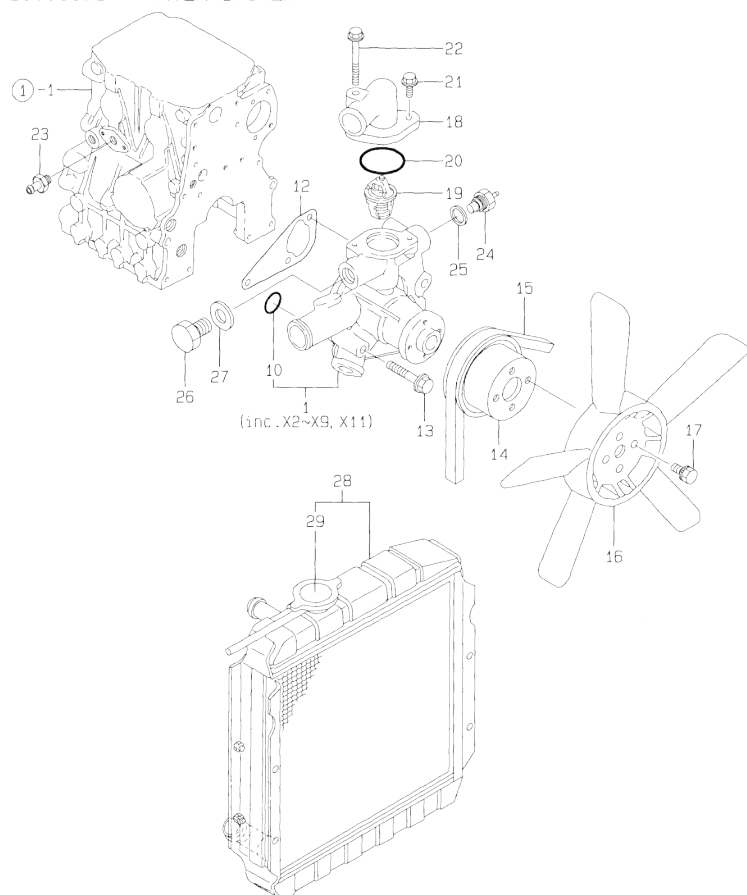
This exploded view diagram illustrates the assembly of the engine. The components are numbered as follows:

- 1-1**: Cylinder head
- 2-13**: Piston and connecting rod assembly
- 13**: Spark plug
- 14**: Intake manifold
- 15**: Oil pan
- 16**: Oil pump
- 17**: Oil pump drive shaft
- 18**: Oil pump drive gear
- 19**: Oil pump drive pin
- 20 (inc. X21, X22)**: Oil pump drive pin
- 23**: Oil pump drive gear
- 24**: Oil pump drive pin
- 25**: Oil pump drive pin
- 26**: Oil pump drive pin
- 27**: Oil pump drive pin
- 28**: Oil pump drive pin
- X10**: Timing belt
- X3**: Timing belt pulley
- X4**: Timing belt pulley
- X5**: Timing belt pulley
- X6**: Timing belt pulley
- X7**: Timing belt pulley
- X8**: Timing belt pulley
- X9**: Timing belt pulley
- X11**: Timing belt pulley
- X12**: Timing belt pulley
- X13**: Timing belt pulley
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- X90**: Timing belt pulley
- X91**: Timing belt pulley
- X92**: Timing belt pulley
- X93**: Timing belt pulley
- X94**: Timing belt pulley
- X95**: Timing belt pulley
- X96**: Timing belt pulley
- X97**: Timing belt pulley
- X98**: Timing belt pulley
- X99**: Timing belt pulley
- X100**: Timing belt pulley

No.	Lev.	Parts No.	Description	(A)=2TNE68-DB			(D)=			I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119260-32000	PUMP ASSY, OIL	1							
11	1	119660-32020	GASKET, PUMP	1							
12	1	26450-060202	BOLT, M6X 20	3							
13	1	119332-34880	DIPSTICK, OIL	1							
14	1	119332-34890	GUIDE, DIPSTICK	1							
15	1	119305-35150	FILTER, OIL	1							
16	1	119225-35300	VALVE ASSY,OIL PRESS	1							
24	1	129150-35350	NUT	1							
25	1	119332-35080	PIPE ASSY, OIL INLET	1							
26	1	119209-35030	O-RING, P11	1							
27	1	26106-060122	BOLT, M6X 12 PLATED	2							
28	1	124160-39450	SWITCH, 0.5KG	1							

N:Old $\frac{\text{Yes}}{\text{No}}$ New. Q:Old $\frac{\text{No}}{\text{Yes}}$ New. R:Old $\frac{\text{Yes}}{\text{Yes}}$ New. S:Old $\frac{\text{No}}{\text{No}}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Qty Change

10. COOLING WATER SYSTEM



				(A)=2TNE68-DB (B)= (C)=	(D)= (E)= (F)=							
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	Qty (D)	(E)	(F)		I	R
1	1	119260-42002	PUMP ASSY, WATER	1								
10	2	119225-42320	O-RING	1								
12	1	119260-42020	GASKET, WATER PUMP	1								
13	1	26106-080452	BOLT, M8X 45 PLATED	3								
14	1	119620-42350	V-PULLEY	1								
15	1	104514-42780	V-BELT, HM33	1								
16	1	119332-44740	FAN, COOLING D260X5	1								
17	1	26014-060142	BOLT, M6X 14	4								
18	1	119256-49530	COVER, THERMOSTAT	1								
19	1	119260-49800	THERMOSTAT, 71	1								
20	1	24321-000350	O-RING, 1AG35.0	1								
21	1	26106-060162	BOLT, M6X 16 PLATED	1								
22	1	26106-060552	BOLT, M6X 55 PLATED	1								
23	1	171056-49120	PLUG, DRAIN	1								
24	1	124250-49351	SENSOR	1								
25	1	129150-49360	GASKET	1								
26	1	121450-42450	PLUG, M16	1								
27	1	124465-44950	GASKET, 16	1								
28	1	119332-44501	RADIATOR ASSY	1								
29	2	129107-44590	CAP, RADIATOR	1								

N:Old $\xrightarrow{\text{YES}}$ New. Q:Old $\xrightarrow{\text{NO}}$ New. R:Old $\xrightarrow{\text{YES}}$ New. S:Old $\xrightarrow{\text{NO}}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Qty Change

Exploded view diagram of a mechanical assembly. The diagram shows the following components and their assembly relationships:

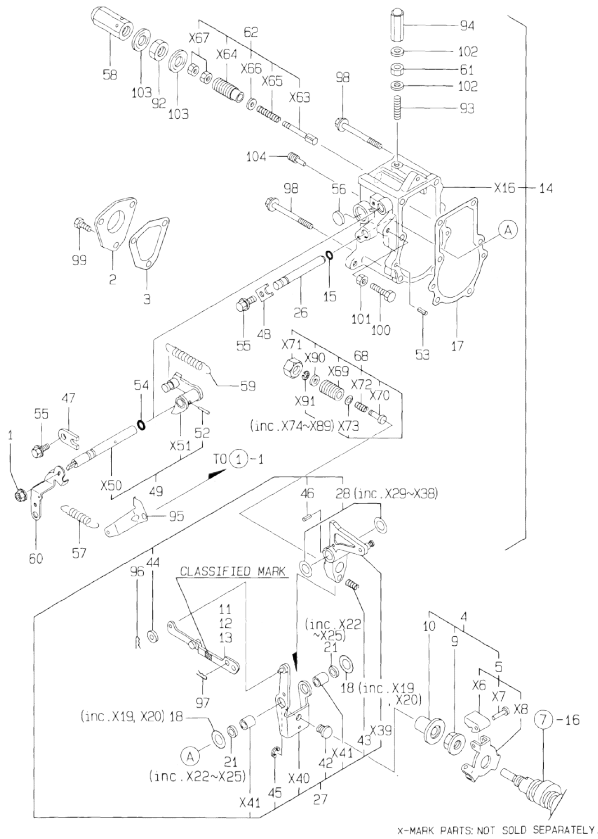
- Top Section:** A vertical assembly starting with a nut (25), a washer (27), a spring (24), a pin (X23), a washer (26), a pin (X22), a pin (X4), and a pin (X5).
- Central Body:** A main casting (X2) with a mounting flange (X41).
- Right Side Assembly:** A long shaft (28) passing through the body, secured with a lock nut (36) and a lock washer (29). The shaft has several components: a pin (33), a pin (35), a pin (34), a pin (42), a pin (43), and a pin (45).
- Bottom Section:** A vertical assembly starting with a pin (31), a washer (6), a spring (8), a pin (7), a pin (9) (inc. X10~X20), a pin (X38), a pin (X40), and a pin (X39).
- Left Side Assembly:** A bracket (30) with a pin (32) and a pin (44).

[illegible]

N:Old $\frac{\text{Yes}}{\text{No}}$ New. Q:Old $\frac{\text{No}}{\text{Yes}}$ New. R:Old $\frac{\text{Yes}}{\text{Yes}}$ New. S:Old $\frac{\text{No}}{\text{No}}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Qty Change

Fig.12. GOVERNOR

12. GOVERNOR



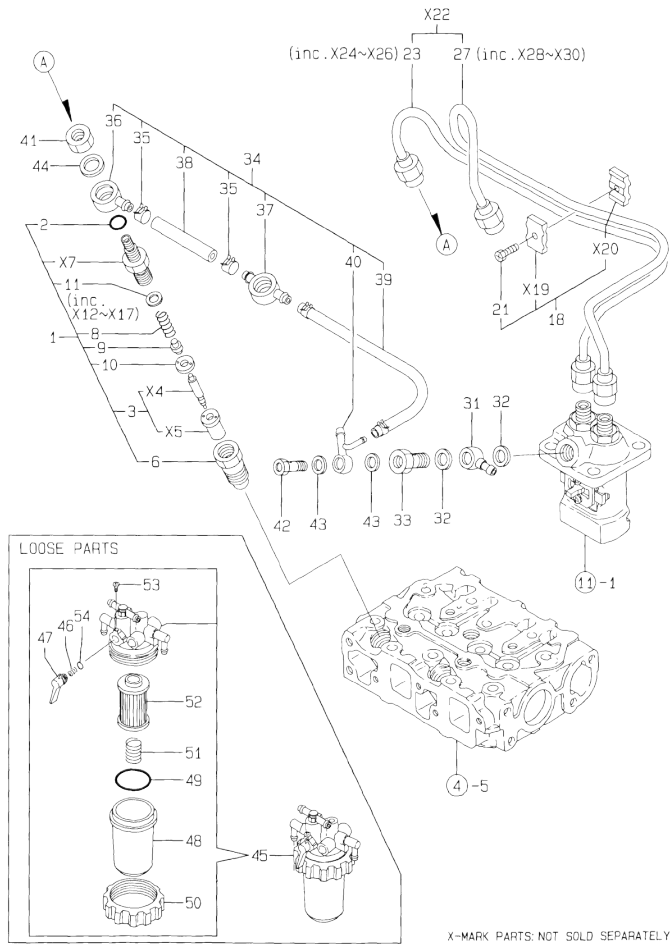
Remarks
(1) SELECTIVE PARTS: CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER.(REFER TO ILLUSTRATION).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	194990-22050	NUT, M8	1							
2	1	119660-61060	COVER, GOVERNOR CASE	1							
3	1	119660-61071	GASKET	1							
4	1	119600-61100	DRIVE ASSY	1							
5	2	119600-61200	WEIGHT ASSY,GOVERNOR	1							
9	2	119660-61300	NUT	1							
10	2	119660-61341	SLEEVE	1							
11	1	119285-61120	LINK, NO MARK	1							1
12	1	119285-61130	LINK, MARK :2	1							1
13	1	119285-61140	LINK, MARK :3	1							1
14	1	119285-61200	CASE ASSY, GOVERNOR	1							
15	2	129155-51280	O-RING, S6	1							
17	2	119660-61052	GASKET	1							
18	2	119660-61460	SHIM SET	1							
21	2	129155-61480	SPACER ASSY	2							
26	2	119660-61491	SHAFT	1							
27	2	119285-61500	LEVER ASSY, GOVERNOR	1							
28	3	174307-51700	SHIM SET	2							
42	3	119600-61541	SHIFTER	1							
43	3	119600-61650	SPRING, STARTING	1							
44	3	22117-040000	WASHER, 4	2							
45	3	22272-000040	RING, E- 4	1							
46	3	22351-030014	PIN, SPRING 3.0X14	1							
47	2	119600-61900	RETAINER, SHAFT	1							
48	2	119660-61901	RETAINER, SHAFT	1							
49	2	119285-66090	SHAFT ASSY	1							
52	3	22322-030160	PIN, TAPER 3X16	1							
53	2	22351-040010	PIN, SPRING 4.0X10	2							
54	2	24341-000070	O-RING, 1AS7.0	1							
55	2	26106-060102	BOLT, M6X 10 PLATED	2							
56	1	119640-61400	PLUG	1							
57	1	119840-61870	SPRING	1							
58	1	129100-61930	NUT, CAP	1							
59	1	119600-66020	SPRING, REGULATOR	1							
60	1	119640-66051	HANDLE, REGULATOR	1							
61	1	124550-66370	NUT, M6	1							
62	1	119600-66530	LIMITER ASSY, FUEL	1							
68	1	119654-66700	ANGLEICH ASSY	1							
92	1	26776-120002	NUT, LOCK M12	1							
93	1	171002-66830	SCREW	1							
94	1	119600-66840	NUT, CAP	1							
95	1	119656-66910	HOOK	1							
96	1	22360-040000	PIN, SNAP 4	1							
97	1	22360-060000	PIN, SNAP 6	1							
98	1	26106-060702	BOLT, M6X 70 PLATED	6							
99	1	26116-050102	BOLT, M5X 10 PLATED	3							
100	1	26116-060304	BOLT, M6X 30 PLATED	1							
101	1	26756-060002	NUT, LOCK M6	1							
102	1	22190-060003	SEAL WASHER 6	2							
103	1	22190-120002	WASHER, SEAL 12	2							
104	1	124250-03640	SCREW	1							

N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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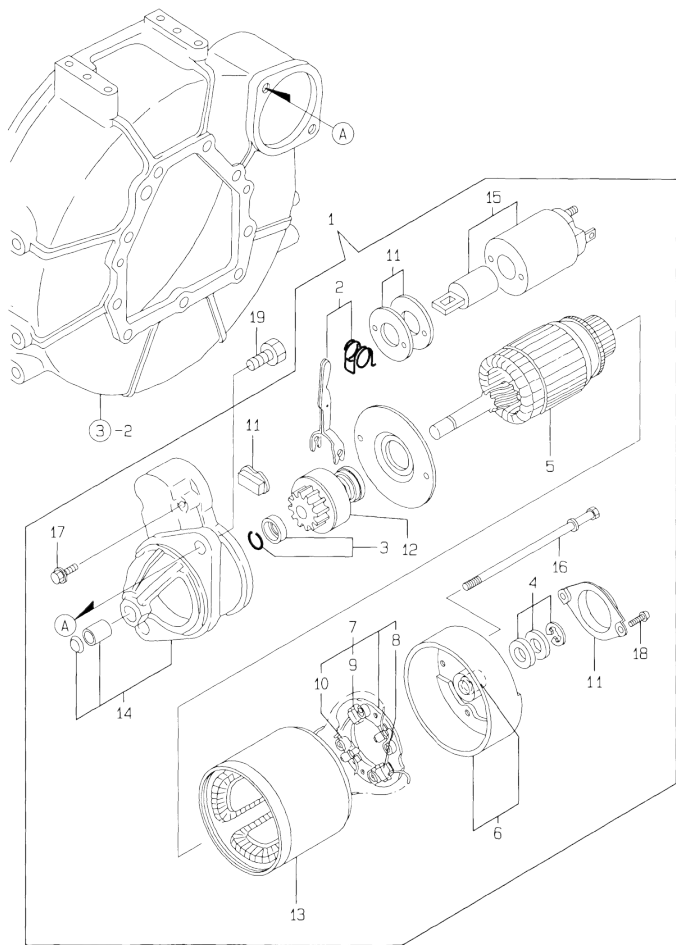
Fig.13. FUEL INJECTION VALVE

13.FUEL INJECTION VALVE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719620-53700	VALVE ASSY,INJECTION	2							
2	2	129155-61830	O-RING, S10	2							
3	2	119620-53000	VALVE ASSY,INJECTION	2							
6	2	119620-53080	NUT, NOZZLE	2							
8	2	119620-53120	SPRING, NOZZLE	2							
9	2	114250-53130	SEAT, SPRING	2							
10	2	119620-53140	SPACER, VALVE STOP	2							
11	2	114250-53400	SHIM SET	2							
18	1	119305-59120	RETAINER, PIPE	1							
21	2	129150-59131	BOLT, M4X14	1							
23	2	119309-59810	PIPE ASSY, INJECTION	1							
27	2	119309-59820	PIPE ASSY, INJECTION	1							
31	1	101304-59020	JOINT, PIPE 12	1							
32	1	104200-59170	GASKET, 12	2							
33	1	119650-59200	BOLT, PIPE JOINT M12	1							
34	1	119332-59540	PIPE ASSY, RETURN	1							
35	2	124066-59100	CLIP, HOSE 8	2							
36	2	119260-59520	JOINT	1							
37	2	119260-59530	JOINT	1							
38	2	119260-59550	PIPE, FUEL	1							
39	2	119642-59550	PIPE, FUEL RETURN	1							
40	2	119642-59570	JOINT, OVER FLOW	1							
41	1	119620-59700	NUT, NOZZLE	2							
42	1	124550-59820	BOLT, PIPE JOINT M8	1							
43	1	23414-080012	GASKET, 8X1.0	2							
44	1	23414-140000	GASKET, 14X1.0	2							
45	1	119255-55620	FILTER ASSY, FUEL	1							
46	2	104200-55330	SPRING, VALVE	1							
47	2	119810-55340	LEVER	1							
48	2	121254-55510	COVER	1							
49	2	102103-55520	O-RING	1							
50	2	110250-55610	RING, RETAINING	1							
51	2	121250-55620	SPRING	1							
52	2	124550-55700	FILTER, FUEL L=90	1							
53	2	104200-55750	SCREW, M4	1							
54	2	24311-240100	O-RING, 1AP10A	1							

14. STARTING MOTOR

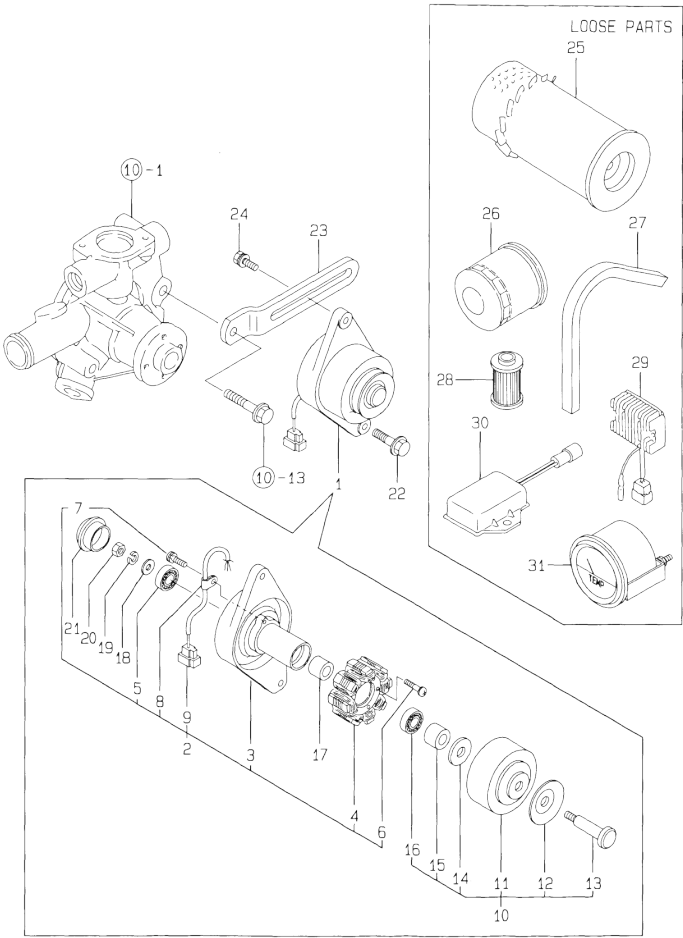


				(A)=2TNE68-DB (B)= (C)=				(D)= (E)= (F)=			
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	Q'ty (D)	(E)	(F)	I	R
1	1	119226-77010	STARTER,12V-0.8KW	1							
2	2	X2114560130	LEVER KIT, SHIFT	1							
3	2	X2114715500	STOPPER SET, PINION	1							
4	2	X2114811000	WASHER KIT, THRUST	1							
5	2	114371-77110	ARMATURE	1							
6	2	114371-77140	COVER ASSY, REAR	1							
7	2	114371-77160	HOLDER ASSY, BRUSH	1							
8	3	114371-79040	BRUSH (-)	2							
9	3	114371-79050	BRUSH (+)	1							
10	3	114371-79060	SPRING, BRUSH	4							
11	2	114371-77170	COVER KIT, DUST	1							
12	2	119226-77650	CLUTCH ASSY	1							
13	2	124097-77710	YOKE ASSY	1							
14	2	124097-77760	CASE ASSY, GEAR	1							
15	2	124195-77760	MAGNETIC SWITCH ASSY	1							
16	2	124195-77770	THROUGH BOLT	2							
17	2	114371-79070	BOLT M 6X 37	2							
18	2	26022-040122	SCREW, M4X12	2							
19	1	26116-120252	BOLT, M12X 25 PLATED	2							

N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.15. GENERATOR

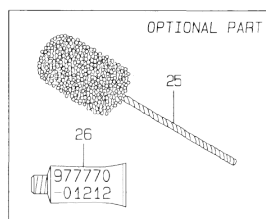
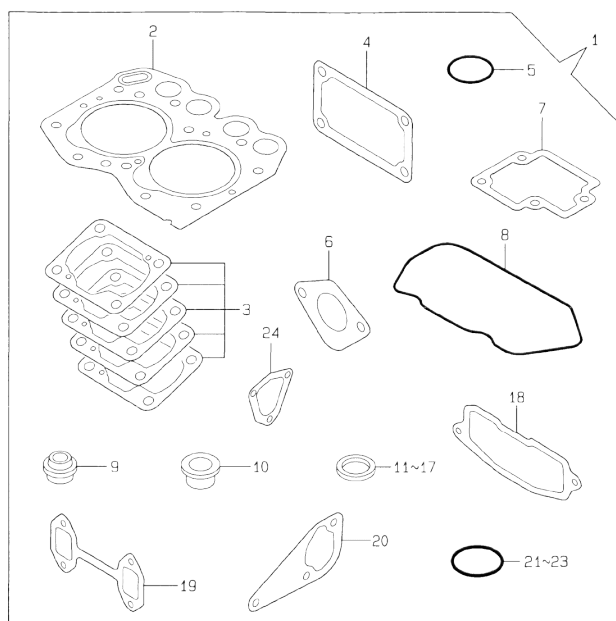
15. GENERATOR



				(A)=2TNE68-DB (B)= (C)=	(D)= (E)= (F)=	Q'ty						I	R		
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)						
1	1	119663-77200	DYNAMO	1											
2	2	XM91967	PLATE ASSY	1											
3	3	XM91968	PLATE	1											
4	3	XM91969	STATOR	1											
5	3	XM27436	BALL BEARING	1											
6	3	26022-040252	SCREW, M4X25	2											
7	3	XYSPS4008	SCREW	1											
8	3	XM36410	CLAMP	1											
9	3	XM17878	COUPLER	1											
10	2	XM82099	FLYWHEEL ASSY	1											
11	3	XM82110	FLYWHEEL	1											
12	3	XM72174	PULLEY	1											
13	3	XM42927	SHAFT	1											
14	3	XM47549	WASHER	1											
15	3	XM72701	COLLAR	1											
16	3	XM27436	BALL BEARING	1											
17	2	106383-44720	SPACER	1											
18	2	106383-44730	WASHER	1											
19	2	22212-100000	SPRING WASHER 10	1											
20	2	26716-100002	NUT, M10	1											
21	2	105225-44790	CAP	1											
22	1	26106-100402	BOLT, M10X 40 PLATED	1											
23	1	121450-77330	ADJUSTER	1											
24	1	26014-080252	BOLT, M8X 25	1											
25	1	171033-12510	ELEMENT	1											
26	1	119305-35150	FILTER, OIL	1											
27	1	104514-42780	V-BELT, HM33	1											
28	1	124550-55700	FILTER, FUEL L=90	1											
29	1	121520-77710	LIMITER, CURRENT	1											
30	1	119332-77810	REGISTER	1											
31	1	171010-77850	THERMOSTAT	1											

Fig.16. GASKET SET

16. GASKET SET



(1) OPTIONAL PART.

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719325-92601	GASKET SET	1							
2	2	119309-01330	GASKET, CYL. HEAD	1							
3	2	119305-01950	SHIM SET, ADJUSTING	1							
4	2	119660-01562	GASKET	1							
5	2	24311-000320	O-RING, 1AP32.0	2							
6	2	121520-01851	GASKET	1							
7	2	119305-03031	GASKET	1							
8	2	119305-11310	GASKET, BONNET	1							
9	2	119260-11340	SEAL, VALVE STEM	4							
10	2	119600-11450	PROTECTOR, NOZZLE	2							
11	2	119600-11460	GASKET, NOZZLE	4							
12	2	124465-44950	GASKET, 16	1							
13	2	22190-060003	SEAL WASHER 6	2							
14	2	22190-120002	WASHER, SEAL 12	2							
15	2	104200-59170	GASKET, 12	2							
16	2	23414-080012	GASKET, 8X1.0	2							
17	2	23414-140000	GASKET, 14X1.0	2							
18	2	119305-12160	GASKET, MANIFOLD	1							
19	2	119305-13110	GASKET	1							
20	2	119260-42020	GASKET, WATER PUMP	1							
21	2	24321-000350	O-RING, 1AG35.0	1							
22	2	24311-000120	O-RING, 1AP12.0	4							
23	2	24341-000240	O-RING, 1AS24.0	1							
24	2	119660-61071	GASKET	1							
25	1	129400-92400	FLEX HORN	1							
26	1	977770-01212	GASKET, LIQUID	1							
27	1	119332-92751	WRENCH, FIJ TER 68	1							

N:Old $\xrightarrow{\text{YES}}$ New. Q:Old $\xrightarrow{\text{NO}}$ New. R:Old $\xrightarrow{\text{YES}}$ New. S:Old $\xrightarrow{\text{NO}}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Qty Change

Parts No. Index

Parts No.	Fig. No.	Ref. No.
101304-59020	13	31
102103-55520	13	49
104200-55330	13	46
104200-55750	13	53
104200-59170	13	32
	16	15
104514-42780	10	15
	15	27
105010-11230	4	26
		30
105225-44790	15	21
105546-51330	11	24
106383-44720	15	17
106383-44730	15	18
110250-55610	13	50
114250-11120	4	16
114250-11180	4	17
114250-53130	13	9
114250-53400	13	11
114371-77110	14	5
114371-77140	14	6
114371-77160	14	7
114371-77170	14	11
114371-79040	14	8
114371-79050	14	9
114371-79060	14	10
114371-79070	14	17
119209-35030	9	26
119225-35300	9	16
119225-42320	10	10
119225-51100	11	3
119225-51300	11	21
119226-77010	14	1
119226-77650	14	12
119255-55620	13	45
119256-49530	10	18
119260-01200	1	21
119260-01510	2	15
119260-01590	2	1
119260-01600	3	2
119260-02020	1	5
119260-02800	1	13
119260-02930	1	16
119260-07900	4	2
119260-11100	4	14
119260-11110	4	15
119260-11260	4	36
119260-11270	4	37
119260-11280	4	38
119260-11340	4	19

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119260-11340	16	9
119260-11370	4	20
119260-11800	4	9
119260-14100	7	6
119260-14200	7	1
119260-14400	7	2
119260-21200	8	4
119260-23910	8	28
119260-25100	7	10
119260-32000	9	1
119260-42002	10	1
119260-42020	10	12
	16	20
119260-49800	10	19
119260-59520	13	36
119260-59530	13	37
119260-59550	13	38
119265-11260	4	40
119265-22300	8	23
119265-22500	8	17
119265-22601	8	15
119265-23100	8	25
119265-23200	8	29
119266-02410	1	19
119285-61120	12	11
119285-61130	12	12
119285-61140	12	13
119285-61200	12	14
119285-61500	12	27
119285-66090	12	49
119305-01490	2	13
119305-01760	3	11
119305-01950	2	21
	16	3
119305-03020	4	44
119305-03031	4	45
	16	7
119305-11200	4	24
119305-11240	4	33
119305-11310	4	47
	16	8
119305-11350	4	42
119305-12150	5	1
119305-12160	5	2
	16	18
119305-13100	6	1
119305-13110	6	2
	16	19
119305-14200	7	16
119305-14580	7	3

Parts No.	Fig. No.	Ref. No.
119305-35150	9	15
	15	26
119305-51500	11	30
119305-51530	11	32
119305-59120	13	18
119305-77820	4	55
119309-01330	1	22
	16	2
119309-21700	8	1
119309-59810	13	23
119309-59820	13	27
119325-21560	8	12
119325-21670	8	8
119332-01771	3	12
119332-13501	6	7
119332-34880	9	13
119332-34890	9	14
119332-35080	9	25
119332-44501	10	28
119332-44740	10	16
119332-59540	13	34
119332-77810	15	30
119332-92751	16	27
119600-11450	4	22
	16	10
119600-11460	4	23
	16	11
119600-52021	2	28
119600-61100	12	4
119600-61200	12	5
119600-61541	12	42
119600-61650	12	43
119600-61900	12	47
119600-66020	12	59
119600-66530	12	62
119600-66840	12	94
119620-01620	3	6
119620-01750	3	4
119620-01800	2	3
119620-02450	7	4
119620-11350	4	56
119620-11390	4	48
119620-21941	8	10
119620-25912	7	12
119620-42350	10	14
119620-51170	11	6
119620-51180	11	7
119620-51190	11	8
119620-51250	11	9
119620-51340	11	25

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119620-51350	11	26
119620-51370	11	27
119620-51450	11	28
119620-51510	11	31
119620-51650	11	33
119620-51680	11	34
119620-51670	11	35
119620-51680	11	36
119620-51700	11	37
119620-53000	13	3
119620-53080	13	6
119620-53120	13	8
119620-53140	13	10
119620-59700	13	41
119621-21680	8	9
119640-61400	12	56
119640-66051	12	60
119642-59550	13	39
119642-59570	13	40
119650-59200	13	33
119654-66700	12	68
119656-66910	12	95
119660-01551	2	18
119660-01562	2	19
	16	4
119660-01570	2	20
119660-01640	3	7
119660-01911	2	4
119660-25022	7	8
119660-25052	7	9
119660-32020	9	11
119660-61052	12	17
119660-61060	12	2
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